

FIG. 10a

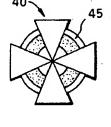


FIG. 10b

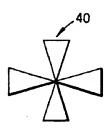


FIG. 11

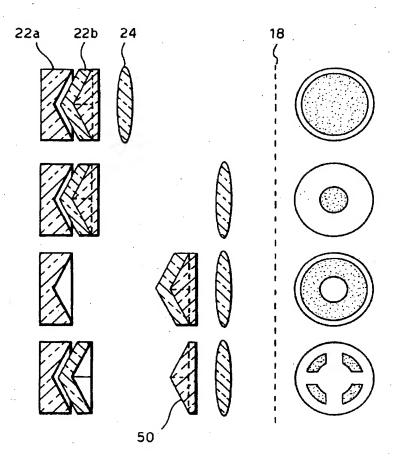


FIG. 12

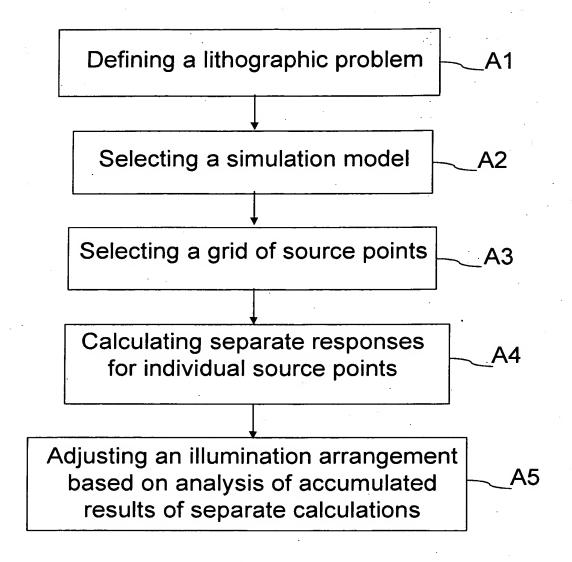
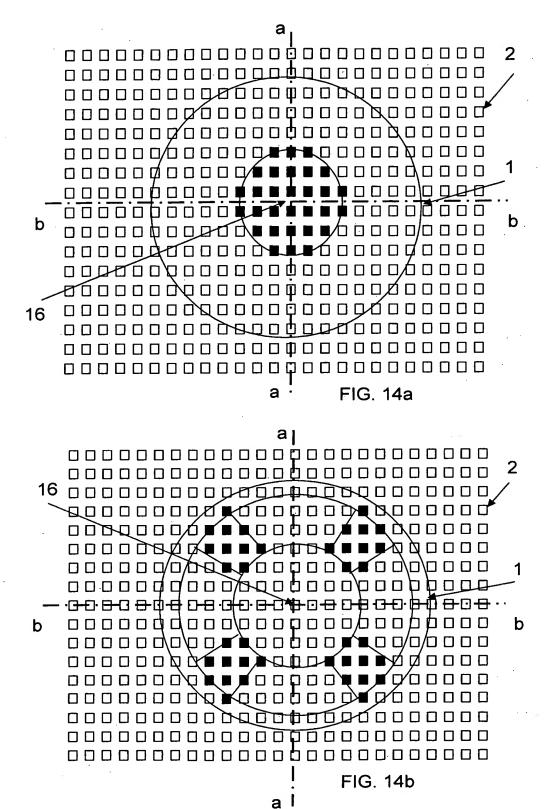
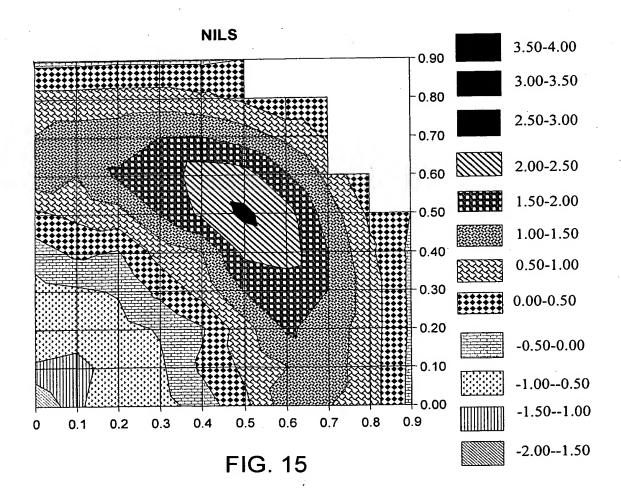


FIG. 13





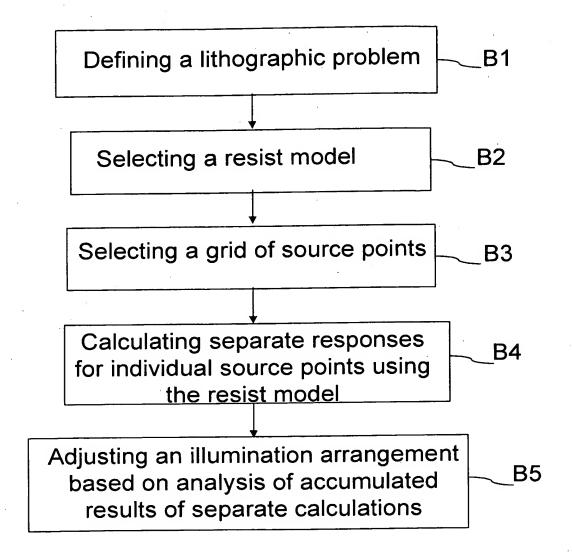
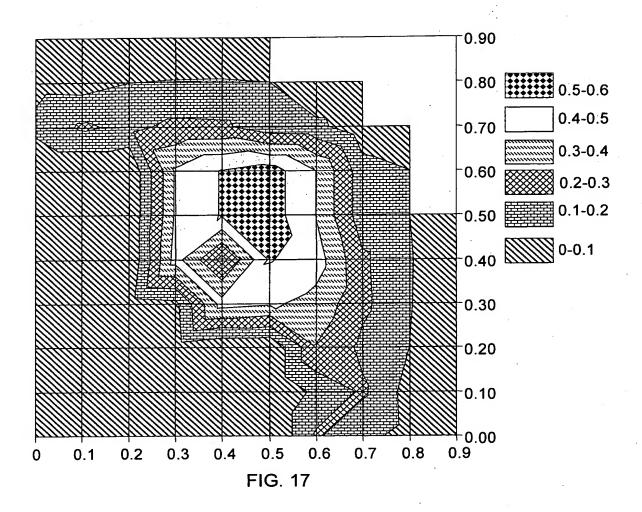


FIG. 16



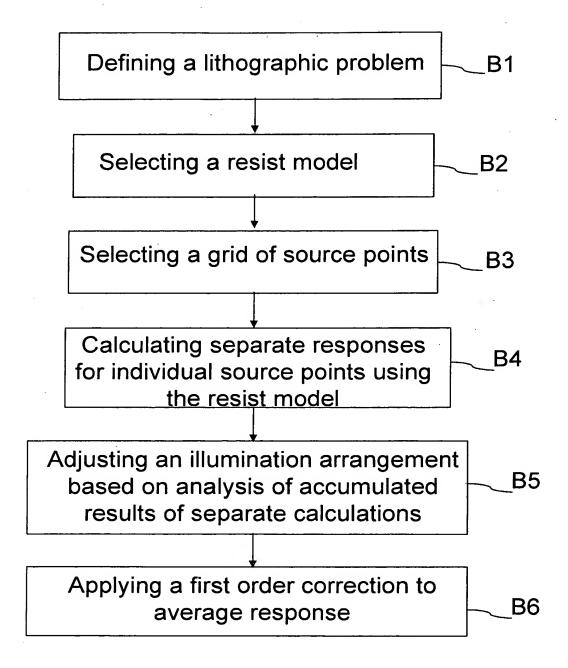


FIG. 18

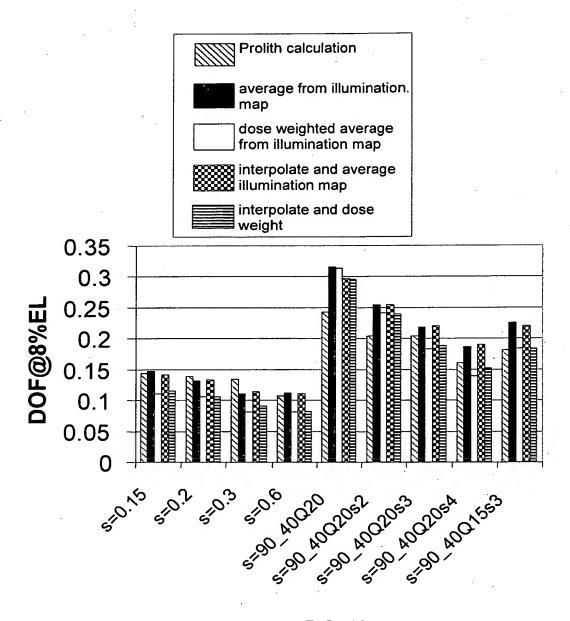
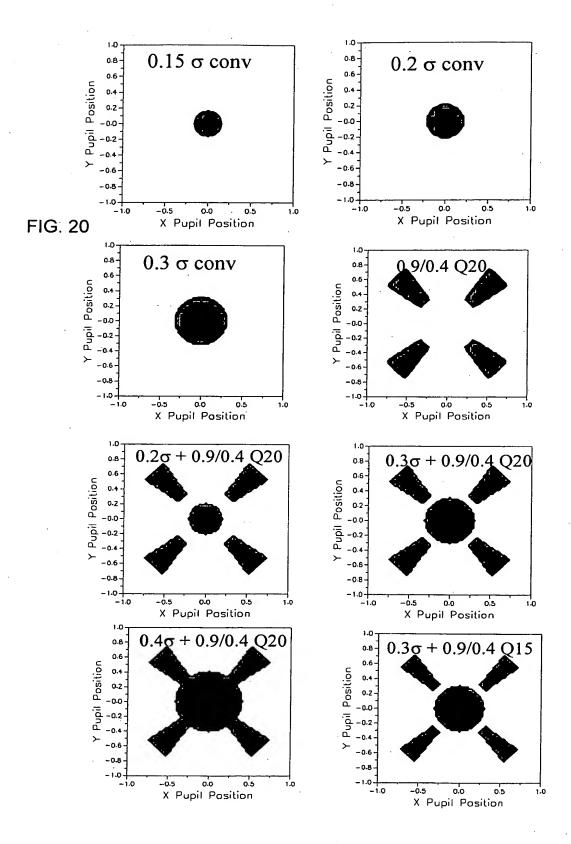
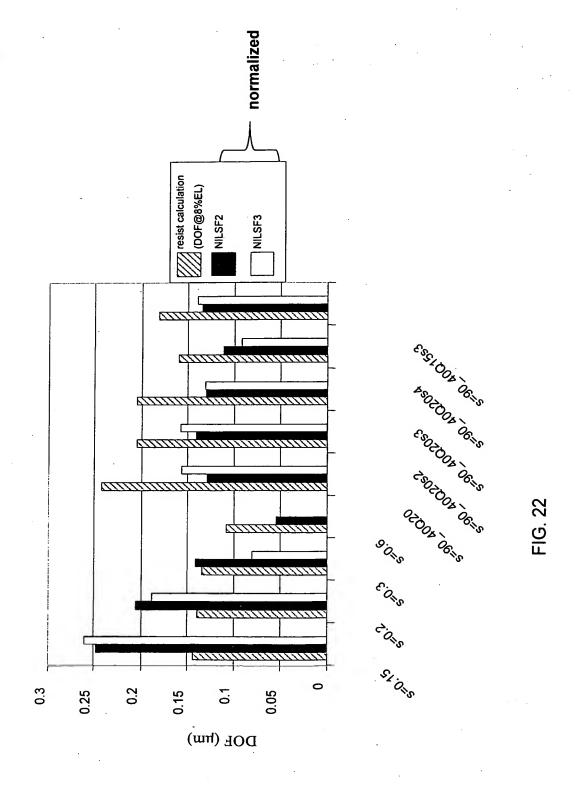


FIG. 19



trial illuminator	prediction based on weighted and interpolated source measurements	Prolith simulation with this illuminator
0.85_0.55Q30	0.293u	0.23u
0.75_0.55Q20	0.416	0.41
0.80_0.60Q20	0.383	0.355
0.80_0.60annular	0.110	0.10
0.75_0.55annular	0.118	0.105

FIG. 21



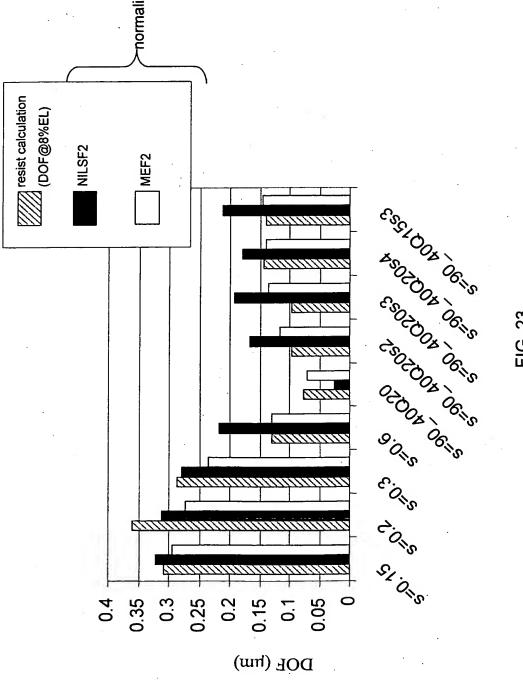


FIG. 23

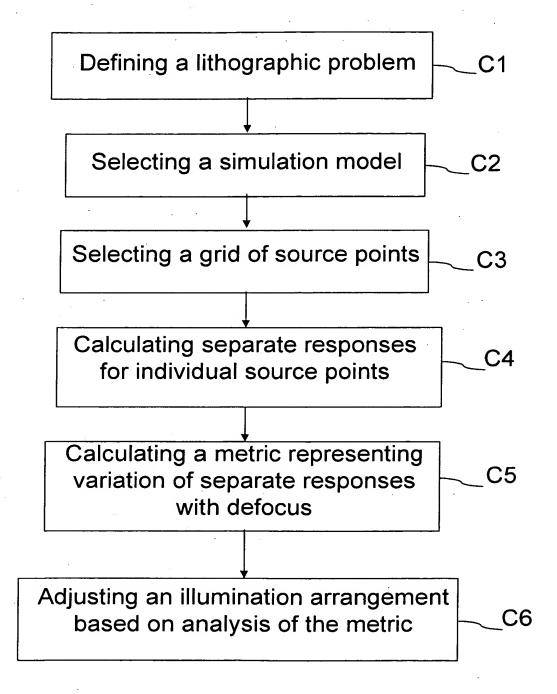
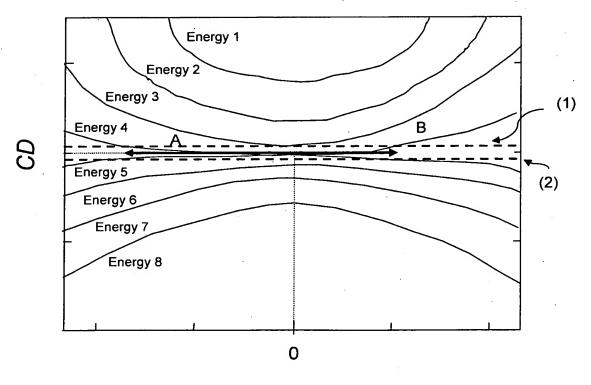
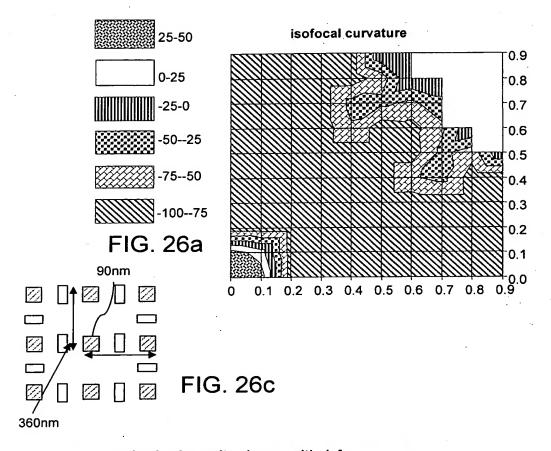


FIG. 24



Focus

FIG. 25



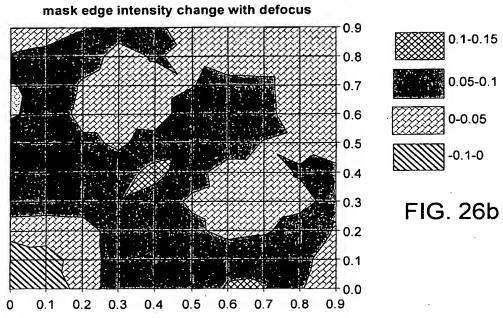
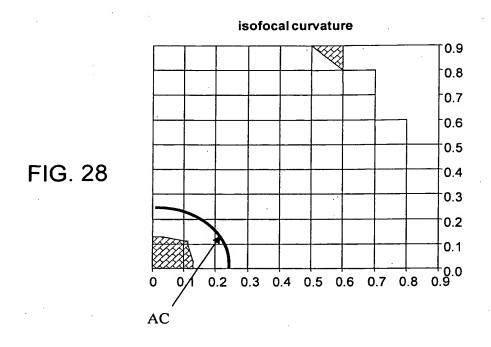


FIG. 27b

mask edge intensity change with defocus

0.9
0.8
0.7
0.6
0.5
0.4
0.4
0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9



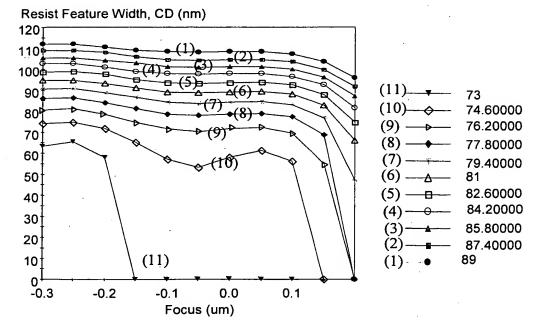
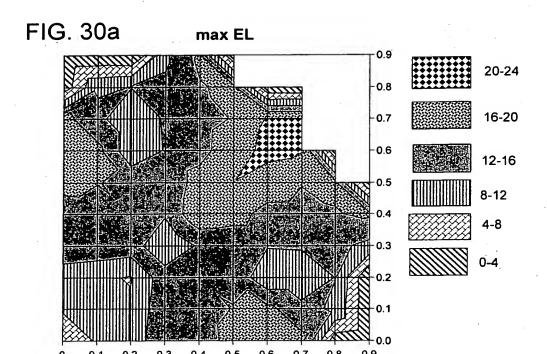
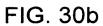
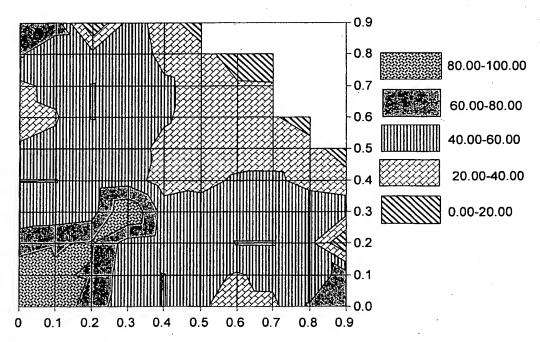


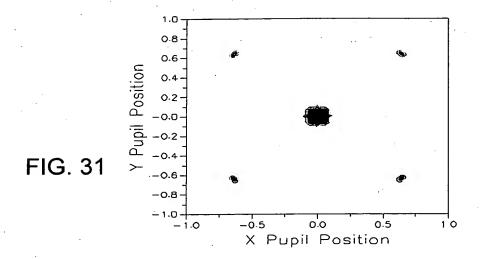
FIG. 29

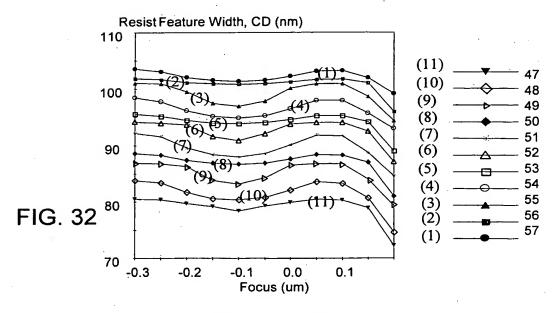


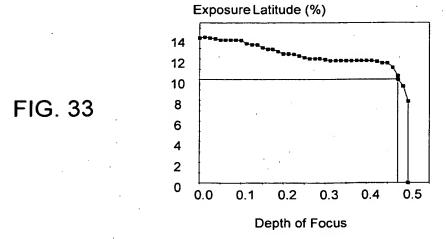




E1:1







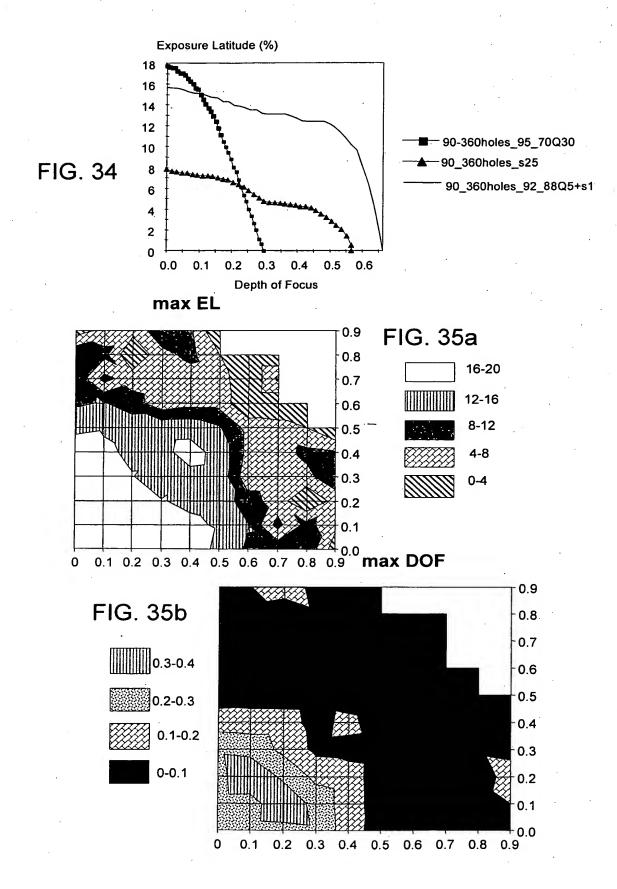


FIG. 35c DOF@8%EL

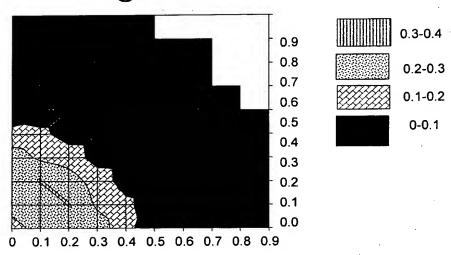
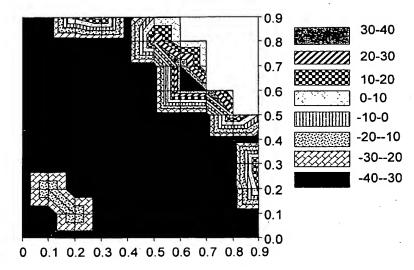
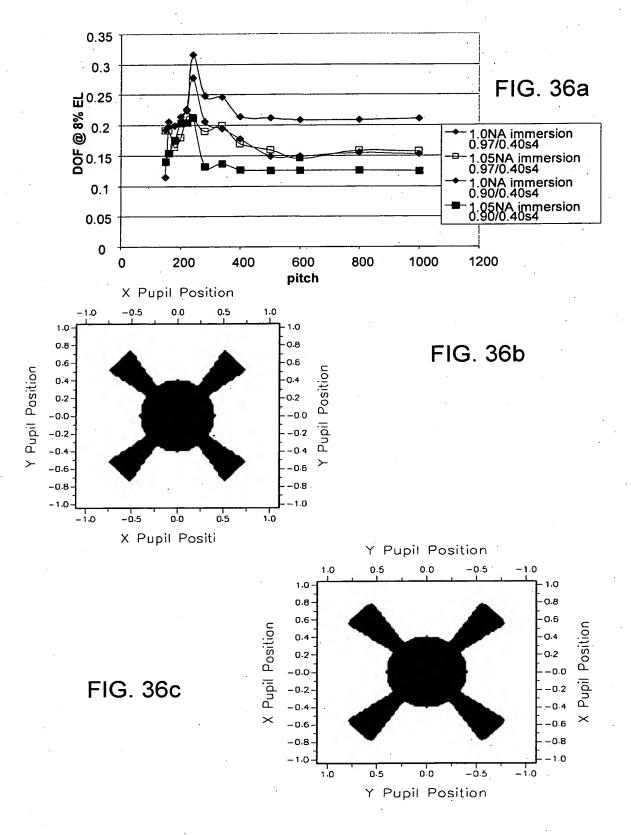


FIG. 35d

isofocal curvature





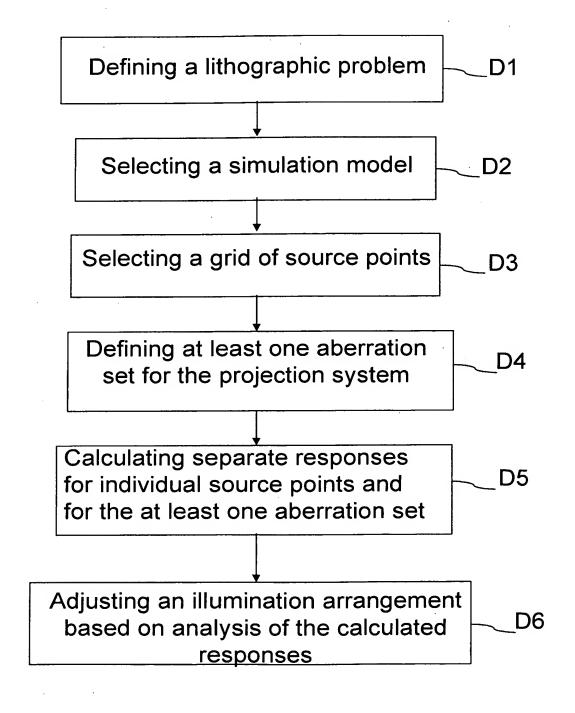
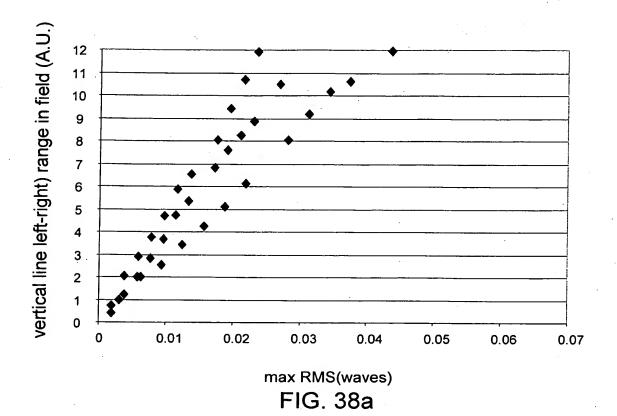


FIG. 37



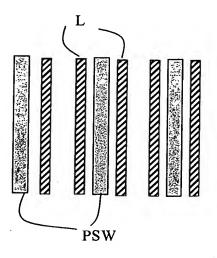


FIG. 38b

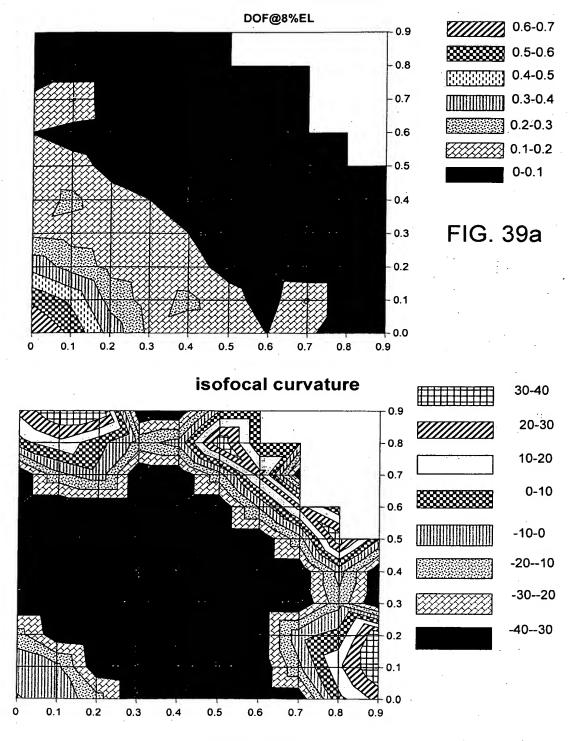


FIG. 39b

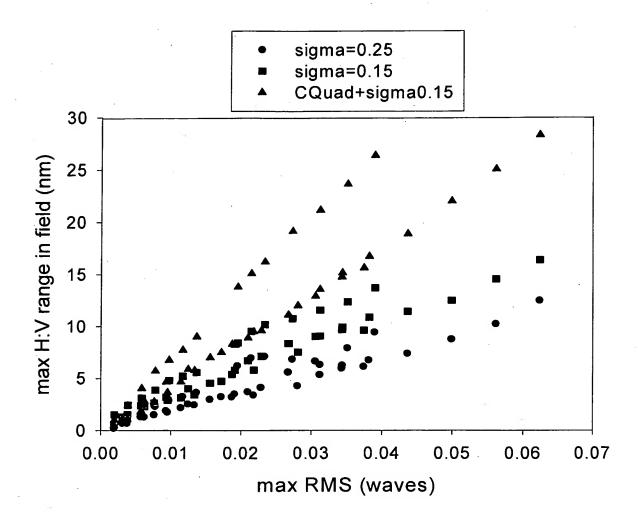
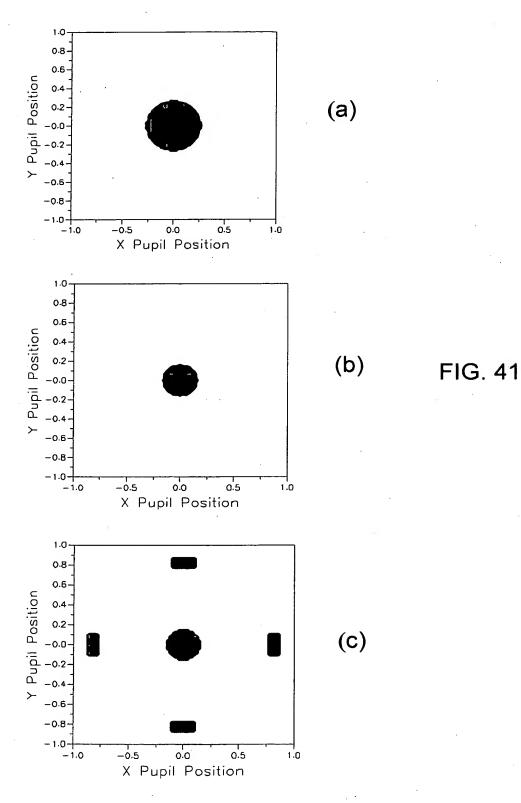


FIG. 40



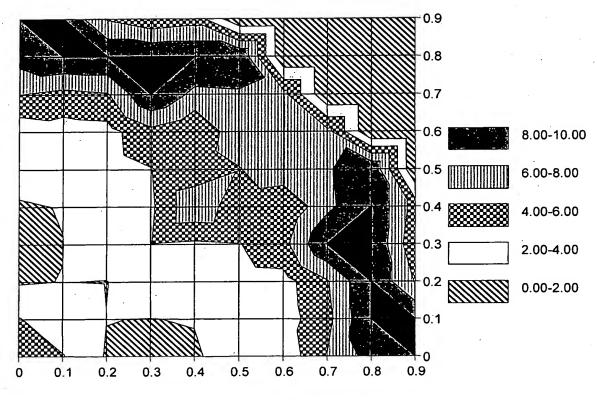


FIG. 42

DOF@8%EL

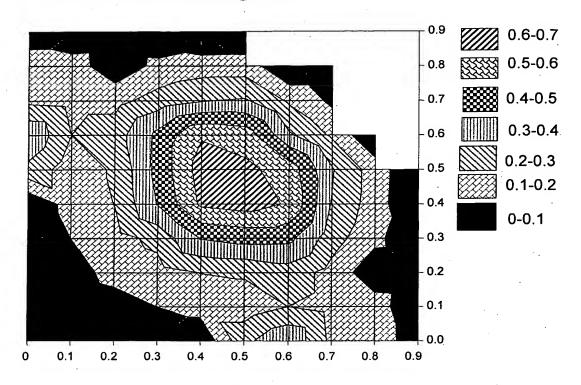


FIG. 43

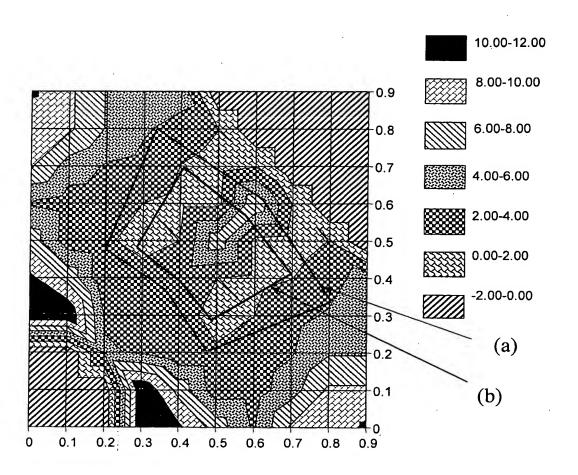


FIG. 44

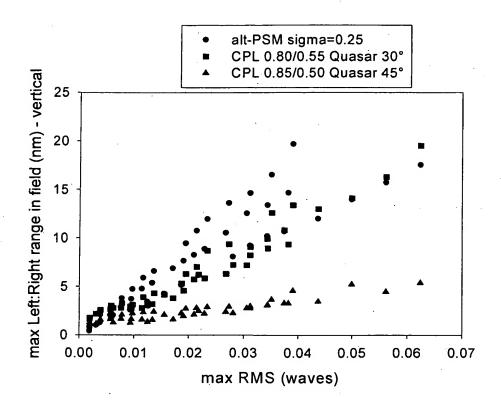
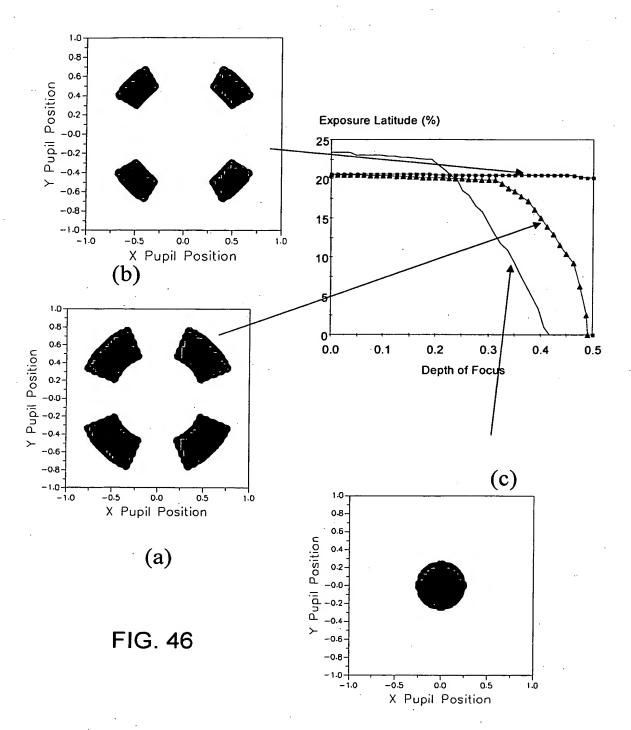


FIG. 45



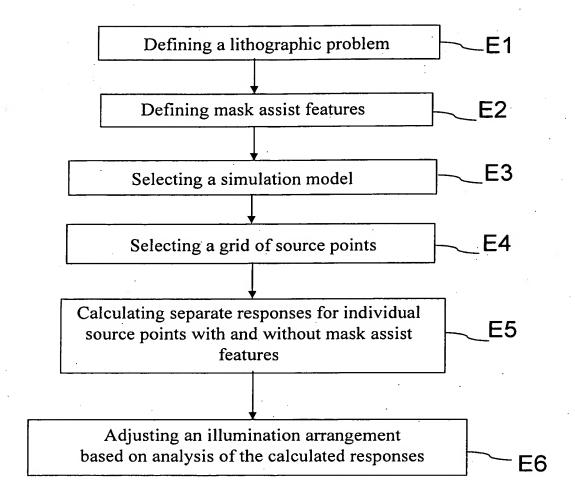


FIG. 47

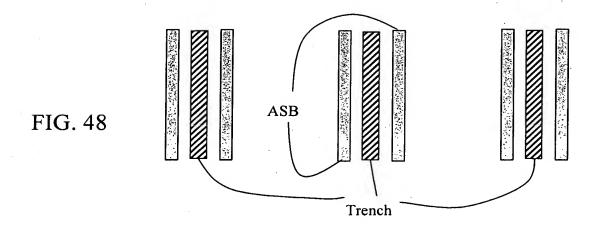


FIG. 49a

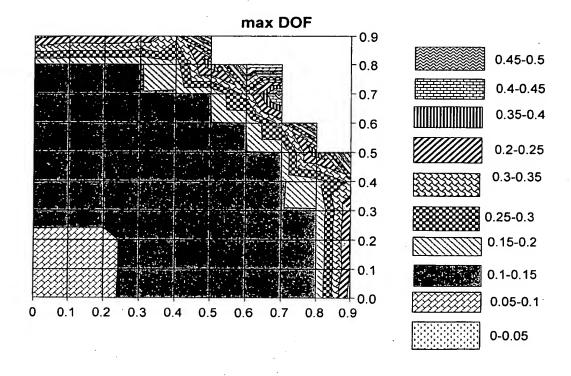
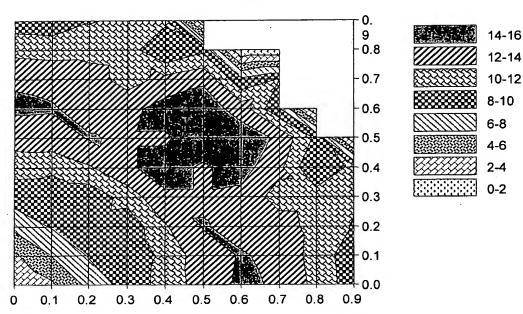


FIG. 49b

max EL



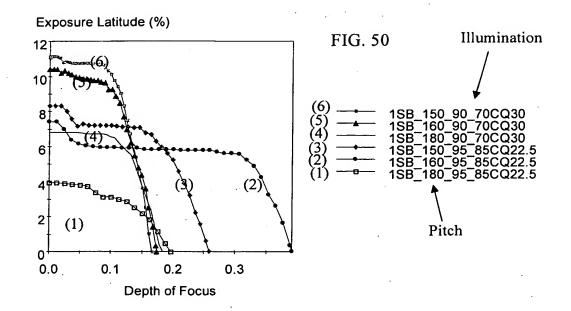


FIG. 51a

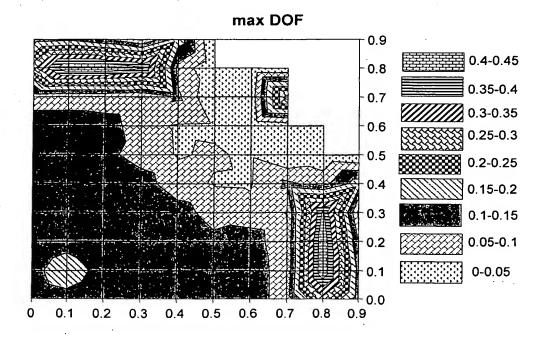
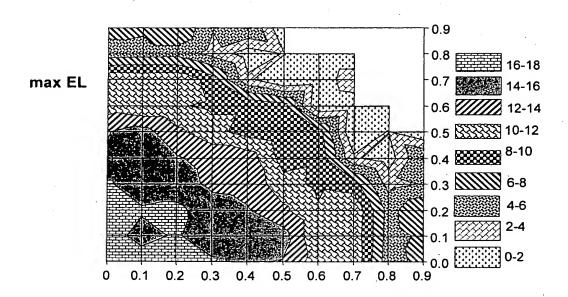
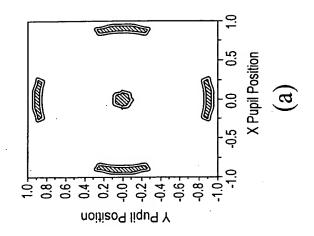
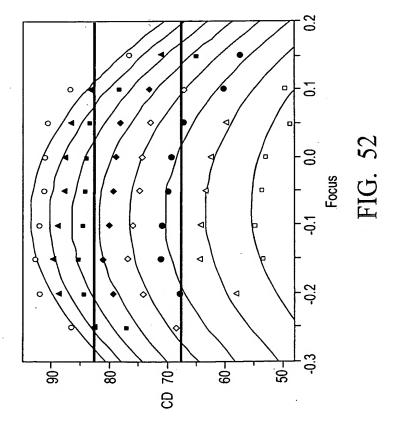
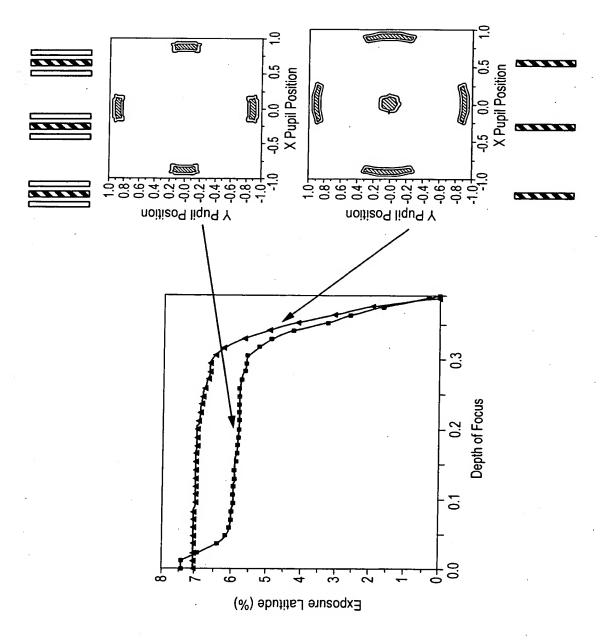


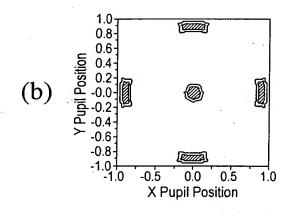
FIG. 51b











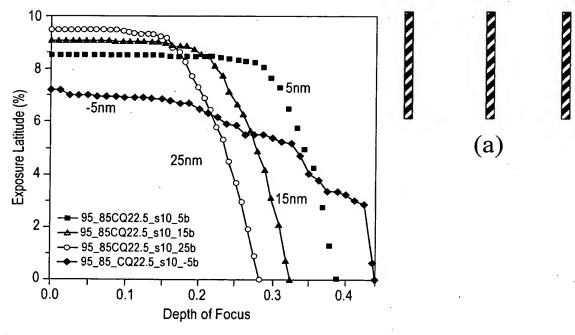


FIG. 54

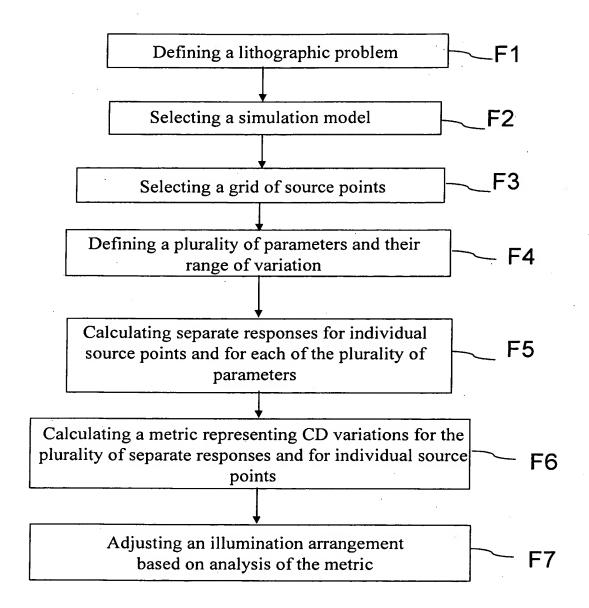
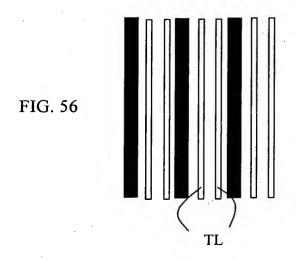


FIG. 55



DOF@8%EL

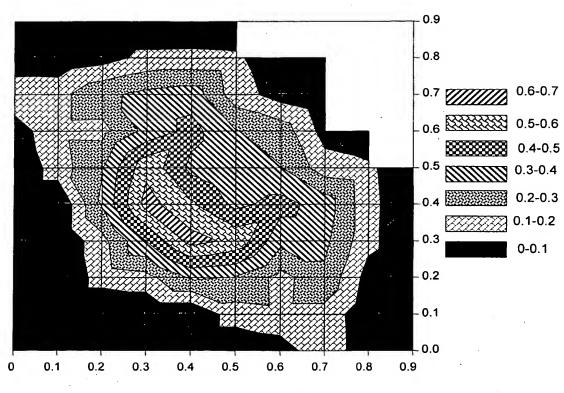


FIG. 57

total CD variation

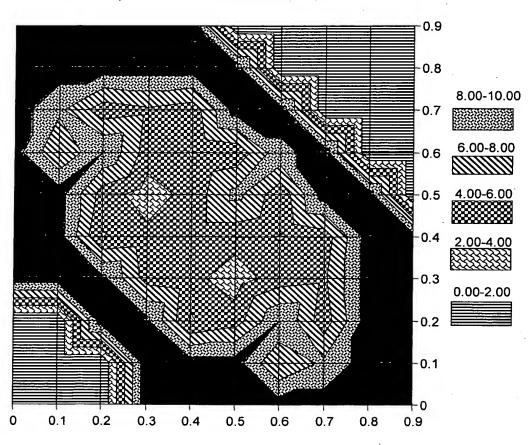


FIG. 58

